

**1. Position: IT Specialist****2. Name of Expert:**

Rishi Aryal

**3. Date of Birth:**

December 1, 1978

**Citizenship:**

Nepali

**Gender:**

Male

**Contact No:** 9702092431**4. Languages:**

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
<b>Nepali</b>	Good	Good	Good
<b>English</b>	Good	Good	Good
<b>Bhasa</b>	Good	Fair	Fair
<b>Hindi</b>	Good	Fair	Fair
<b>Tetum</b>	Good	Fair	Fair

**5. Education/Academic Qualification:**

- M.IT., Indira Gandhi National Open University (IGNOU), India, August, 2004
- B.IT., Indira Gandhi National Open University (IGNOU), India, October, 2002
- I.Sc., Tribhuvan University, Nepal, June 1996

**6. Membership in Professional Associations:**

- Life Member of Nepal Red Cross Society (NRCS) since 15 June 2000
- Member of Geographic Information Group of Timor-Leste, 2010-2014

**7. Other Trainings:**

- Diploma in Statistics, Indira Gandhi National Open University (IGNOU), India, 2002
- Diploma in Geographic Information System (GIS), Indira Gandhi National Open University (IGNOU), India, 2004

**8. Area of Expertise:**

Digital Marketing, ICT Project Management, E-Governance, ICT Policies and SOPs Development, Scalable Integrated MIS Design & Development, Client Centric Websites/web application design and development, Supervision of ICT Projects, Capacity Building of Stakeholders, Business Process Analysis, System Analysis, Transformation of Paper Based Business Process to Electronic Automated System, IT Procurement (Goods and services) and IT System installation as well as maintenance.

**9. Skills & Years of experience:****ICT Project Management:**

- Project Management | 12 years
- Procurement | 6 years
- Disaster Recovery | 5 years
- Agile | 5 years

**System Administration:**

- Windows Server | 10 years
- Linux | 4 years

**Software and Website/Web App Design and Development;**

- SDLC | 6 years
- DevOps | 5 years
- Website/Web App Development | 6 years
- E-Commerce | 5 years
- E-MIS | 5 years

**Front End Framework;**

- Bootstrap | 7 years
- React | 4 years
- Vue.js | 3 years
- jQuery | 5 years

**Back End Framework:**

- ASP.NET | 8 years
- Django | 7 years
- Laravel | 2 years

**Database Management:**

- MySQL | 2 years
- MS SQL Server | 2 years
- PostgreSQL | 4 years
- MongoDB | 4 years

**Cloud Computing;**

- AWS | 5 years
- Google Cloud | 3 years

**Version Control:**

- Git | 5 years

**Containerization:**

- Docker | 4 years
- Kubernetes | 4 years

**Programming Language:**

- Visual Basic | 7 years
- HTML/CSS | 7 years
- JavaScript | 5 years
- Java | 5 years
- PHP | 2 years
- Python | 7 years

## 9. Employment Record and Years of Work Experience:

### Senior Project Manager (June 2019 - Present | 5 yrs 1 mos)

#### Self Employed

- US Health Informatics Project • Working for US Based company as a remote worker for the development of various MIS that includes Project Management Work for a US Health Sector focus on the Development of responsive web based application for a client in US.

Skills: DevOps Git Kubernetes AWS Django Python React Java MongoDB Agile

### E-Commerce/Payment Integration Specialist (November 2018 - May 2019 | 7 mos)

#### F1Soft International Pvt. Ltd., Kathmandu, Nepal

- Banking Payment System Integration into e-Sewa; Development of Payment gateway with integration of banking payment systems
  - Developed integration Patch for SCT network bank into eSewa;
  - Developed three-layer security verification for banking system integration into eSewa;
  - Developed technical specification for pinless banking transaction.

Skills: Angular Java JSON XML Git

### Information Communication & Technology Specialist (May 2015 - August 2018 | 3 yrs 4 mos)

#### Human RightsOffice (PDHJ), Timor-Leste

- ICT Procurement, Website Development and Training Package Development;
  - Development of training packages for administrator and user level staffs for smooth operation of eCMS.
  - Procurement of required ICT Equipment and services for the implementation of eCMS. Liaison with the maintenance Contract Company in relation to required updates, maintenance of the source code and bug fixes.
  - Decentralization of eCMS to regional level.
  - Development of robust website for Ombudsman office.

Skills: Linux Server Django Bootstrap Python PostGreSQL Google Cloud Procurement Project Management Disaster Recovery E-MIS

### Information Communication & Technology Audit Specialist; (August 2014 - April 2015 | 9 mos)

#### United Nations Development Program (UNDP), Timor-Leste

- eCMS Audit, sustainability and scalability of eCMS for effective E-Governance;
  - Conducted an audit of the PDHJ electronic case management system by an independent contractor including database in PostgreSQL;
  - Liaised with the independent contractor to complete a list of required changes;
  - Ensured all required documentation is provided to PDHJ about the electronic case management system (including changes to the source code, final source code, manuals and the project design document);
  - Provisioned budgetary support for maintenance through the Ministry of Justice umbrella Integrated Management System;
  - Test and deploy the eCMS using Kubernetes.

Skills: Windows Server Asp.net Bootstrap Java MySQL Git Kubernetes Procurement Project Management Agile Disaster Recovery E-MIS

### Information System Consultant (October 2013 - July 2014 | 10 mos)

#### UNICEF, Timor-leste

- Transition for paper based to ICT enabled Education Management System, Procurement of ICT equipment and Services and Capacity Development of ICT staffs

Analysis of EMIS for scalability and decentralization to school level at Ministry of Education (MOE), Timor-leste. Enhancement of the EMIS, feasibility assessment to integrate other EMIS related databases of MoE running on different platform into single platform for effective and hassle-free administration by one unit at MoE. Conduct necessary ICT Procurement of Goods and Services. :

- Managed the Linux servers for email server, application server, proxy server and File servers at MoE and managed virtual servers ;
- Developed Progressive Web Application for pre-school information management system using php and MySQL;
- Reviewed the structural and functional aspects of the Education Management Information System (EMIS) to enhance the current EMIS for scalability and decentralization;
- Designed a training package for the capacity building of EMIS staff to effectively administer and operate the system. Four system and sixteen data entry operators are being trained at MoE under this plan;

5. Integrated other EMIS related databases of MoE running on different platforms into a single platform for effective and hassle-free administration by one unit at MoE.

Skills: Linux DevOps Bootstrap Laravel PHP MySQL Procurement Project Management Disaster Recovery E-MIS

**Information Technology/Case Management System Consultant (September 2012 - August 2013 | 1 yr)**  
**United Nations Development Program (UNDP), Timor-Leste**

- Development of electronic case management system to lodge public complaints on violation against human rights and good governance; Transition of complaint registry from paper based to ICT enabled platform, decentralization of eCMS, ICT procurement (goods and services) for eCMS implementation, development of ICT Policy and SOPs, user and administrative manual development, design of training packages for eCMS, provision of budget for sustainability and scalability of eCMS. .
  1. Documented PDHJ case handling work processes to develop the electronic case management system;
  2. Led the planning, consultation and development of the browser base database system using django python and MS SQL Server to reflect the software development of electronic case management system and reporting needs of the Provedoria PDHJ;
  3. Implemented electronic case management system in the PDHJ;
  4. Provided mentoring and training to two IT officials in development and maintenance of client server database and IT network administration, email and internet, installation, maintenance and upgrading;

Skills: Windows Server SDLC HTML CSS JavaScript ASP.NET Java MS SQL Server Procurement Project Management Disaster Recovery E-MIS

**MIS Consultant (April 2012 - May 2013 | 1 yrs 2 mos)**  
**World Bank**

- MIS development for Human Development Social Protection Pilot (HDSPP) Project; Assessment of information infrastructure and database and design MIS for HH level beneficiaries
  1. Addressed the immediate MIS/IT needs for HDSSP pilot implementation,
  2. Build a comprehensive MIS system (Software Development) with an aim to automating all Cash Transfer programs under the MoLD (except the Cash for Work program) into a single MIS IT platform thereby establishing a wide system. Key functions of the MIS system include: automating all Cash Transfer programs into a single MIS platform, maintaining an applicant and beneficiary database, generating eligible beneficiaries.

Skills: Windows Server SDLC HTML CSS JavaScript ASP.NET Java MS SQL Server Procurement Project Management Disaster Recovery E-MIS

**Information Technology/Management Information System Consultant (July 2011 - March 2012 | 9 mos)**  
**World Bank**

- Development of MIS for Social Protection Assistance Programm

Develop technical and functional requirements for integrated MIS system and proposed technical and operational architecture of Integrated MIS system for Social Protection Assistant Program at the Ministry of Social Solidarity (MSS). Review the current information collection process, identify gaps in the current process and suggest improvements during the design and development of the Integrated MIS for SPAP at MSS. Evaluate and Identify the feasibility and operational process requirements for adopting technologies such as use of handheld devices, mobile payments etc inside the integrated MIS for SPAP at MSS;

  1. Software Development for Management Information System (MIS) and provided implementation options for Social Protection Administration Program;
  2. Developed technical and functional requirements for integrated MIS system and proposed technical and operational architecture of MIS system;
  3. Evaluated and identified the feasibility and operational process requirements for adopting technologies such as use of handheld devices for mobile payments;
  4. Guided MoSS Procurement Specialist in preparing BID according to the World Bank procurement guidelines for development of integrated MIS, supply and installation of IT equipment necessary for the smooth operation of Integrated MIS system.
  5. Developed technical and functional requirements for integrated MIS system and proposed technical and operational architecture of MIS system;
  6. Guided MoSS Procurement Specialist in preparing BID according to the World Bank procurement guidelines for development of integrated MIS, supply and installation of IT equipment necessary for the smooth operation of Integrated MIS system.

Skills: Windows Server SDLC HTML CSS JavaScript ASP.NET Java MS SQL Server Procurement Project Management Disaster Recovery E-MIS

**Information Communication & Technology Consultant (November 2010 - June 2011 | 8 mos)**  
**International Organization for Migration (IOM)**

- Analysis and review of the existing operational process of the IDP and Disaster Risk Management Program of MSS.
  1. Assess and document the possible process gaps or overlaps with a set of key recommendations on the necessary changes in IDP (Internally Displaced Person) reintegration process. Develop a robust data management system to lodge the IDP complaints, enter the verification information, calculate the compensation based on the verification and generate the verification and payment reports for the IDPs

Skills: Windows Server SDLC HTML CSS JavaScript Laravel PHP MS SQL Server Project Management Disaster Recovery

**IT/Data Management Specialist (January 2007 - December 2007 | 1 Yr)**  
**Ministry of Health, Nepal**

- Health Management Information System System Administration, Disaster recovery, Network Management, Patch Panel & network shelter Management, Panasonic PABX programming & Billing system Management Implemented Windows Server 2003 Active Directory, SQL Server, Exchange server, Virtual server, corporate antivirus etc;
  1. Managed HP Server (Proliant ML Server series), RAID configuration;
  2. Conducted system administration and disaster recovery, network management, patch panel & network shelter management, network administration and troubleshooting;
  3. Trained staff to operate and maintain different ICT hardware and software.
  4. Developed web based application.

Skills: Windows Server SDLC HTML CSS JavaScript Laravel PHP MS SQL Server Project Management Disaster Recovery

**10. Self Declaration:**

I, the undersigned, certify that to the best my knowledge and belief that

- (i) This CV correctly describes myself, my qualifications, and my experience;
- (ii) I am committed to undertake the assignment within the validity of Proposal;

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Rishi Aryal

Name of Expert



Signature

08/06/2024

Date: (Day / Month / Year)